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(71) Applicant (*for all designated States except US*): INSTITUT GUSTAVE-ROUSSY [FR/FR]; 39, rue Camille Desmoulins, F-94800 Villejuif (FR).

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(75) Inventor/Applicant (*US only*): BENARD, Jean [FR/FR]; 29, rue de la Bergère, F-94240 L'Hay les Roses (FR).

(74) Representatives: MARTIN, Jean-Jacques, etc; Cabinet Regimbeau, 20, rue de Chazelles, 75847 Paris Cedex 17 (FR).

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(54) Title: METHOD FOR PREPARING AN EXTRACELLULAR MATRIX AND ITS USE FOR TUMOR CELL CULTURE

(54) Titre : PROCÉDE DE PRÉPARATION D'UNE MATRICE EXTRACELLULAIRE ET SON UTILISATION POUR LA CULTURE DE CELLULES TUMORALES

(57) Abstract: The invention concerns a method for preparing an isolated extracellular matrix, secreted by tumor cells, in particular epitheliomatous cells, methods for tumor cell culture using such a matrix, the use of such a matrix for producing a tumor cell line as well as novel tumor cell lines obtained by said method. The invention also concerns a method for selecting a compound capable of inhibiting the growth and/or proliferation of tumor cells, the use of said compounds as medicine for cancer treatment as well as a diagnosis or prognosis method *in vitro* by chromosomal analysis using said matrices. The invention further concerns a reactor or a kit for cell culture comprising such an extracellular matrix.

(57) Abrégé : La présente invention a pour objet un procédé de préparation d'une matrice extracellulaire (MEC) isolée, sécrétée par des cellules tumorales, notamment des cellules épithélio-mateuses, des procédés de culture de cellules tumorales mettant en oeuvre une telle matrice, l'utilisation d'une telle matrice pour l'établissement de lignée cellulaire tumorale ainsi que de nouvelles lignées cellulaires tumorales obtenues par ce procédé. L'invention concerne également une méthode de sélection de composé capable d'inhiber la croissance et/ou la prolifération de cellules tumorales, l'utilisation de tels composés comme médicament pour le traitement du cancer ainsi qu'une méthode de diagnostic ou de pronostic *in vitro* par analyse chromosomique mettant en oeuvre de telles matrices. La présente invention a aussi pour objet un réacteur ou un kit pour la culture cellulaire comprenant de telle MEC.

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